



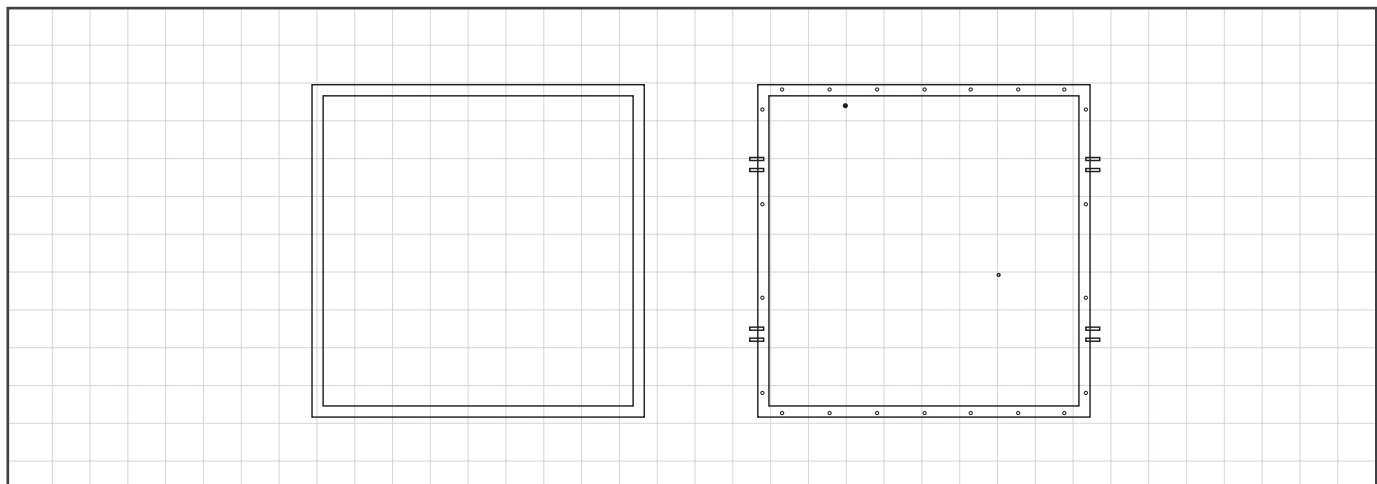
# LED Back Light Panel

Professional optical design .High light efficiency , uniformity and gentle light color, no dazzle



Power	42W
Efficiency	110 lm/w
Luminous flux [lm]	4620
CRI	>80
UGR	UGR<22
IP	IP40
PF	>0.9
LED Chips & QTY	SMD2835 64 Pcs
Diffuser Material	1.0mm PS Diffuser, anti yellowing
Inbut Voltage	AC180-240V 50-60Hz
Beam Angle	120°
Body Color	white
Dimension	595*595*H25mm

## ■ Technical Drawing



## ■ Features



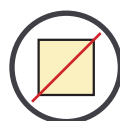
120° Beam Angle



Thick and heavy  
aluminum



Power factor  
>0.9



anti yellowing  
Diffuser



IP40



NOFLICKER



CCT 6000K 4000K 3000K



Body color



Life Span  
50000 h



Efficiency  
100 lm/w

Application



General Lighting



Show Room



Office



Education

### Report of Spectrum and Electric Test for Lamp

Report No.:

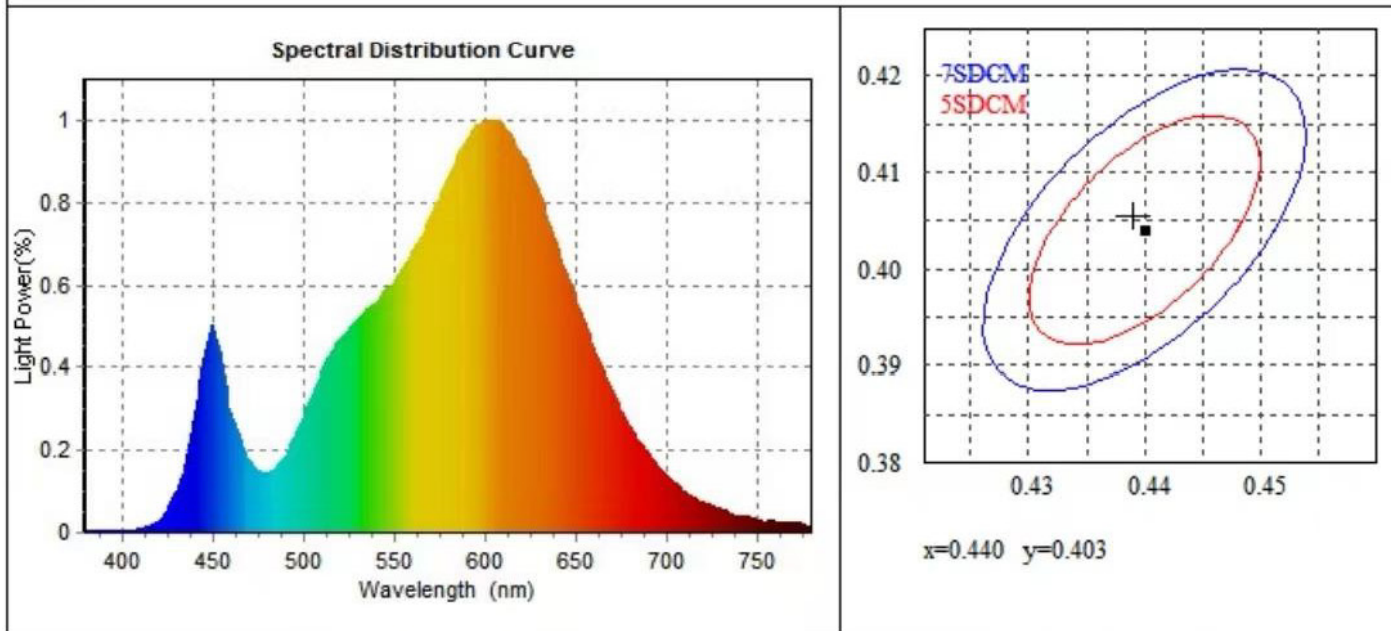
Report Date:

2024-03-19

#### Basic Information

Sample No.		Testing Date	2024-03-19
Sample		Equipments	SPEC1000A
Operator		Ambient Temperature	Deg C
Manufacture		Ambient Humidity	

#### Testing Result



Spectral Distribution		Color Difference Chart			
Chromaticity Coordinates	x=0.4390 y=0.4045 u=0.2517 v=0.3479				
Correlated Color Temperature	2969 K	Peak Wavelength	606.3 nm	FWHM	130.8 nm
Color Difference	1.3 SDCM	Color Shift	-0.0001 duv		
Color Ratio	24.79%	(Ref-C) Main Wavelength	582 nm	(Ref-C) Color Purty	0.582
Luminous Flux	4483.516 lm	Radiant Flux	13.5471 W		
Rendering Index	Ra=81.9 R1=80.2 R2=89.3 R3=96.5 R4=80.7 R5=80.0 R6=86.6 R7=83.1 R8=58.6 R9=5.2 R10=75.3 R11=80.2 R12=68.3 R13=83.0 R14=98.1 R15=72.8				

#### Electric Parameters

Supply Voltage	222.1 V	Current	0.193 A		
Power	41.20 W	Power Factor	0.982		

#### Efficiency Parameters

Luminous Efficiency	108.82 lm/W
---------------------	-------------

## Report of Spectrum and Electric Test for Lamp

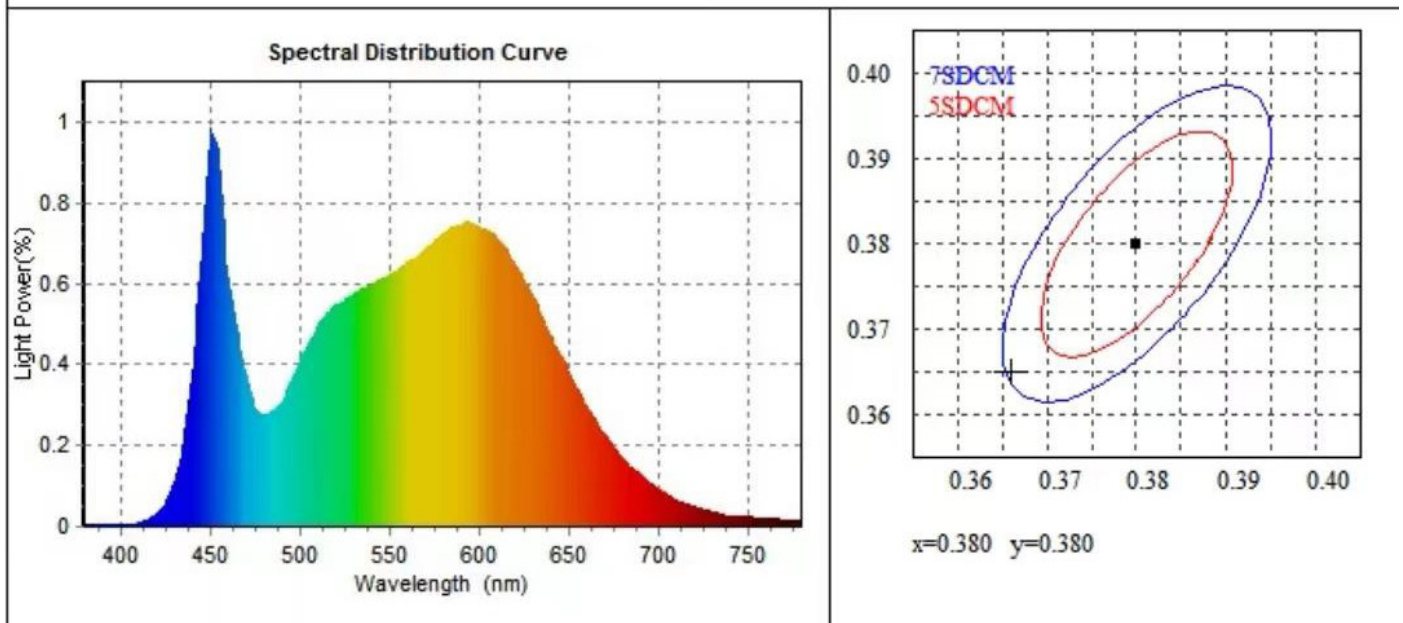
Report No.:

Report Date:

2024-03-19

Basic Information			
Sample No.		Testing Date	2024-03-19
Sample		Equipments	SPEC1000A
Operator		Ambient Temperature	Deg C
Manufacture		Ambient Humidity	

### Testing Result



Spectral Distribution		Color Difference Chart			
Chromaticity Coordinates	x=0.3660 y=0.3650 u=0.2202 v=0.3294				
Correlated Color Temperature	4341 K	Peak Wavelength	451.8 nm	FWHM	22.7 nm
Color Difference	6.8 SDCM	Color Shift	-0.0011 duv		
Color Ratio	19.34%	(Ref-C) Main Wavelength	579 nm	(Ref-C) Color Purty	0.28
Luminous Flux	4568.893 lm	Radiant Flux	14.2702 W		
Rendering Index	Ra=86.2 R1=85.5 R2=92.1 R3=95.6 R4=85.3 R5=85.2 R6=87.8 R7=87.7 R8=70.0 R9=22.3 R10=80.3 R11=85.1 R12=63.6 R13=88.1 R14=97.6 R15=80.4				

### Electric Parameters

Supply Voltage	221.6 V	Current	0.178 A
Power	39.60 W	Power Factor	0.979

### Efficiency Parameters

Luminous Efficiency	115.38 lm/W
---------------------	-------------



## Report of Spectrum and Electric Test for Lamp

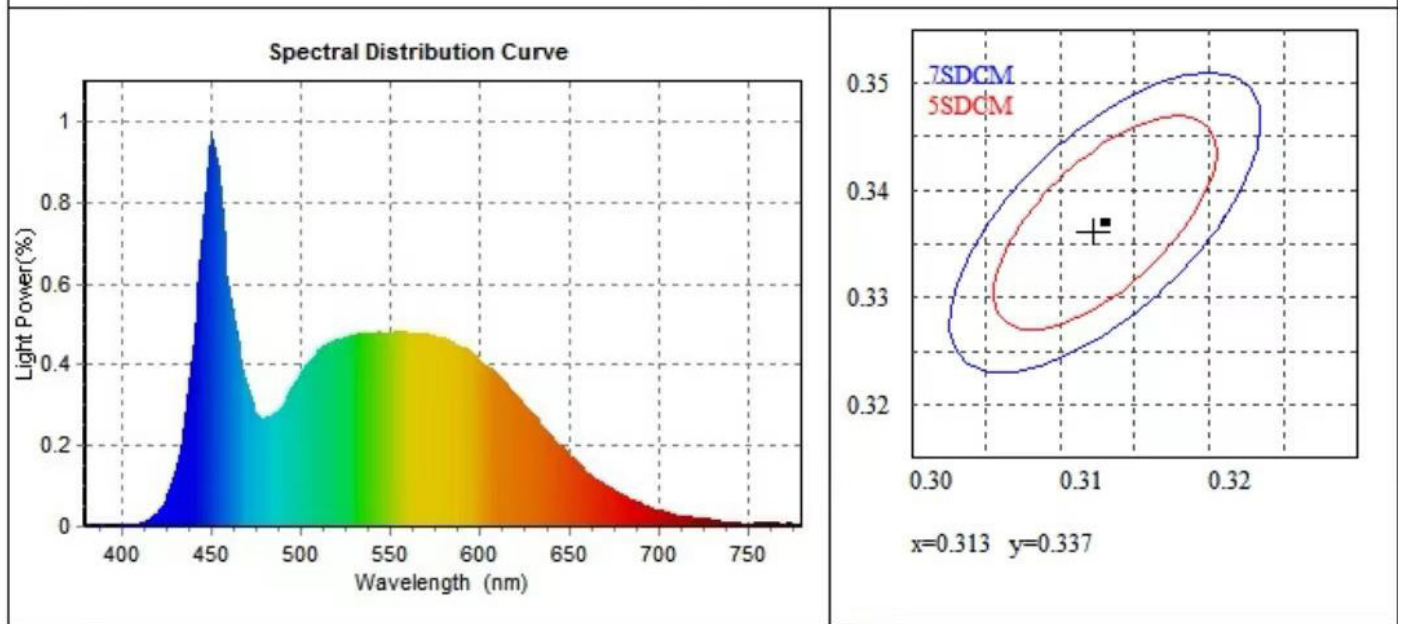
Report No.:

Report Date:

2024-03-19

Basic Information			
Sample No.		Testing Date	2024-03-19
Sample		Equipments	SPEC1000A
Operator		Ambient Temperature	Deg C
Manufacture		Ambient Humidity	

### Testing Result



Spectral Distribution		Color Difference Chart			
Chromaticity Coordinates	x=0.3122 y=0.3362 u=0.1948 v=0.3147				
Correlated Color Temperature	6478 K	Peak Wavelength	451.2 nm	FWHM	22.9 nm
Color Difference	0.6 SDCM	Color Shift	0.0071 duv		
Color Ratio	14.32%	(Ref-C) Main Wavelength	555 nm	(Ref-C) Color Purty	0.06
Luminous Flux	4332.418 lm	Radiant Flux	13.8375 W		
Rendering Index	Ra=85.1 R1=83.8 R2=86.1 R3=86.6 R4=89.5 R5=83.6 R6=79.4 R7=93.3 R8=78.4 R9=20.8 R10=65.3 R11=89.2 R12=51.3 R13=84.4 R14=92.2 R15=80.5				
Electric Parameters					
Supply Voltage	221.3 V	Current	0.187 A		
Power	40.60 W	Power Factor	0.981		
Efficiency Parameters					
Luminous Efficiency	106.71 lm/W				

# LED Back Light Panel PHOTOS

